

Description and measurement of environmental noise —

Part 1: Guide to quantities and procedures

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Environment and Pollution Standards Policy Committee (EPC/-) to Technical Committee EPC/1, upon which the following bodies were represented:

- Association of Consulting Engineers
- British Broadcasting Corporation
- British Occupational Hygiene Society
- British Telecommunications plc
- Department of Health
- Department of the Environment (Building Research Establishment)
- Department of Trade and Industry (Air Division)
- Department of Trade and Industry (National Physical Laboratory)
- Engineering Equipment and Materials Users' Association
- Health and Safety Executive
- Incorporated Association of Architects and Surveyors
- Institute of Acoustics
- Institute of Occupational Hygienists
- Institute of Physics
- Institute of Sound and Vibration Research
- Institution of Civil Engineers
- Institution of Electrical Engineers
- Royal Institute of British Architects
- Society of Environmental Engineers
- Transmission and Distribution Association (BEAMA Ltd.)

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Association of Consulting Scientists
- Association of Metropolitan Authorities
- Association of Noise Consultants
- British Cement Association
- British Coal Corporation
- British Forging Industry Association
- British Gas plc
- British Steel plc
- Department of the Environment
- Electricity Supply Industry in United Kingdom
- Engineering Industries Association
- Federation of Civil Engineering Contractors
- Institution of Environmental Health Officers
- London Regional Transport
- Ministry of Defence
- Petroleum Industry Association
- Royal Automobile Club
- University of Salford

This British Standard, having been prepared under the direction of the Environment and Pollution Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 28 June 1991

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The following BSI references relate to the work on this standard:
Committee reference EPC/1
Draft for comment 80/55444 DC

ISBN 0 580 19728 X

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
0 Introduction	1
1 Scope and field of application	1
2 References	1
3 Definitions	1
4 Instrumentation	3
5 Measurements	3
6 Information to be recorded	5
Table — Symbols for sound levels	3
Publication(s) referred to	Inside back cover

National foreword

This Part of BS 7445 has been prepared under the direction of the Environment and Pollution Standards Policy Committee and is identical with ISO 1996-1:1982, “Acoustics — Description and measurement of environmental noise — Part 1: Basic quantities and procedures”, published by the International Organization for Standardization (ISO). ISO 1996-1 was prepared by Subcommittee 1, Noise, of ISO Technical Committee 43, Acoustics, with the active participation and approval of the UK.

BS 7445 at present comprises the following Parts which have been published.

- Part 1: Guide to quantities and procedures;
- Part 2: Guide to the acquisition of data pertinent to land use;
- Part 3: Guide to application to noise limits.

Cross-references

International standard	Corresponding British Standard
ISO 3891:1978	BS 5727:1979 Method for describing aircraft noise heard on the ground (Identical)
^a IEC 651:1979	BS 5969:1981 Specification for sound level meters (Identical)

^a International Electrotechnical Commission.

The Technical Committee has reviewed the provisions of the draft of ISO 1999¹⁾, to which reference is made in the note to 3.5, and to the draft of IEC Publication... to which reference is made in 4.1 and has decided that they are acceptable for use in conjunction with this standard.

Additional information. The draft of ISO 1999, referred to, has now been published as ISO 1999:1990.

The draft of IEC Publication..., referred to, has now been published as IEC Publication 804:1985. The corresponding British Standard is BS 6698:1986, “Specification for integrating-averaging sound level meters” (Identical).

ISO 1996-2, referred to in clauses 3.10 and 3.12, has been implemented as BS 7445-2:1991 “Guide to the acquisition of data pertinent to land use (Identical)”.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ International Electrotechnical Commission.